

B3

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 09-197103

(43)Date of publication of application : 31.07.1997

(51)Int.Cl. G02B 1/11
B32B 7/02
B32B 27/00
B32B 27/20
B32B 27/30
C09D 5/00
G02B 1/04

(21)Application number : 08-024641

(71)Applicant : TOYO METALLIZING CO LTD

(22)Date of filing : 18.01.1996

(72)Inventor : MOCHIZUKI KIYOTO
TOYAMA SHUNROKU

(54) PLASTIC OPTICAL ARTICLE WITH MULTILAYERED ANTIREFLECTION FILM

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a plastic optical article with a multilayered antireflection film having a low reflectance in a wide visible light region and less liable to scratch and contamination.

SOLUTION: This plastic optical article has a multilayered antireflection film formed by successively disposing a scratch resistant hard coating layer of 1-15 μ m thickness as a 1st layer, a 2nd layer based on ZrO₂ or ITO, a 3rd layer based on MgF₂ or SiO₂, a 4th layer based on ITO, a 5th layer based on MgF₂ or SiO₂ and a 6th layer based on SiO₂ on one face or both faces of the plastic film or sheet substrate. The reflectance of the surface of the antireflection film is $\leq 1\%$ in a visible light region of ≥ 180 nm wavelength.

LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office